IN THE SPECIFICATION:

Please replace paragraph 36 on page 8 with the following paragraph.

[0036] The adaptive mirror 23 can be constructed by using a vaporized or chemically metallized foil as a mirror. The foil is stretched on a specially formed round flange with the help of a guard ring. Under the reflecting foil at a small distance away is the so called correction plate. It consists of an insulating material and is on the foil side suitably preformed and in a raster covered with surface bearing electrodes. The number and size of the electrodes depends on the desired degree of resolution correction. The electrodes are individually contacted. Each electrode thus forms with the corresponding part of the metallically reflected foil, a small capacitor. If one puts ground potential on the reflecting surface and a voltage to the electrodes, then one can correct the reflecting surface with the arising electrostatic forces. The amount of this controlling voltage is derived from suitable optical test methods and can accordingly enlarge the surface of the mirror in a particular way, to correct the phase reflected light wave ~~in the manner described in detail in DE 26 31 551, for example, so that a more exhaustive treatment herein can be dispensed with~~.